

CRF Errors Corrected by the STIC Systems Branch

C4DU JEW OIKE #2

Serial Number: 10/025,367

CRF Processing Date: 1/23/2002
 Edited by: [Signature]
 Verified by: [Signature] (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/025,367

DATE: 01/23/2002

TIME: 18:50:04

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01232002\J025367.raw

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7 <110> APPLICANT: Viaxxel Biotech GmbH
9 <120> TITLE OF INVENTION: Compounds that affect CD83 expression, pharmaceutical
10 compositions comprising said compounds and methods for
11 identifying said compounds
13 <130> FILE REFERENCE: 84201
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/025,367
C--> 16 <141> CURRENT FILING DATE: 2001-12-19
18 <160> NUMBER OF SEQ ID NOS: 27
20 <170> SOFTWARE: PatentIn Ver. 2.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 618
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
27 <220> FEATURE:
28 <221> NAME/KEY: CDS
29 <222> LOCATION: (1)..(615)
31 <400> SEQUENCE: 1
32   atg tcg cgc ggc ctc cag ctt ctg ctc ctg agc tgc gcc tac agc ctg   48
33   Met Ser Arg Gly Leu Gln Leu Leu Leu Leu Ser Cys Ala Tyr Ser Leu
34   1                    5                    10                    15
36   gct ccc gcg acg ccg gag gtg aag gtg gct tgc tcc gaa gat gtg gac   96
37   Ala Pro Ala Thr Pro Glu Val Lys Val Ala Cys Ser Glu Asp Val Asp
38   20                    25                    30
40   ttg ccc tgc acc gcc ccc tgg gat ccg cag gtt ccc tac acg gtc tcc   144
41   Leu Pro Cys Thr Ala Pro Trp Asp Pro Gln Val Pro Tyr Thr Val Ser
42   35                    40                    45
44   tgg gtc aag tta ttg gag ggt ggt gaa gag agg atg gag aca ccc cag   192
45   Trp Val Lys Leu Leu Glu Gly Gly Glu Glu Arg Met Glu Thr Pro Gln
46   50                    55                    60
48   gaa gac cac ctc agg gga cag cac tat cat cag aag ggg caa aat ggt   240
49   Glu Asp His Leu Arg Gly Gln His Tyr His Gln Lys Gly Gln Asn Gly
50   65                    70                    75                    80
52   tct ttc gac gcc ccc aat gaa agg ccc tat tcc ctg aag atc cga aac   288
53   Ser Phe Asp Ala Pro Asn Glu Arg Pro Tyr Ser Leu Lys Ile Arg Asn
54   85                    90                    95
56   act acc agc tgc aac tcg ggg aca tac agg tgc act ctg cag gac ccg   336
57   Thr Thr Ser Cys Asn Ser Gly Thr Tyr Arg Cys Thr Leu Gln Asp Pro
58   100                   105                   110
60   gat ggg cag aga aac cta agt ggc aag gtg atc ttg aga gtg aca gga   384
61   Asp Gly Gln Arg Asn Leu Ser Gly Lys Val Ile Leu Arg Val Thr Gly
62   115                   120                   125
64   tgc cct gca cag cgt aaa gaa gag act ttt aag aaa tac aga gcg gag   432
65   Cys Pro Ala Gln Arg Lys Glu Glu Thr Phe Lys Lys Tyr Arg Ala Glu

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Output Set: N:\CRF3\01232002\J025367.raw

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66      130      135      140
68 att gtc ctg ctg ctg gct ctg gtt att ttc tac tta aca ctc atc att 480
69 Ile Val Leu Leu Leu Ala Leu Val Ile Phe Tyr Leu Thr Leu Ile Ile
70 145      150      155      160
72 ttc act tgt aag ttt gca cgg cta cag agt atc ttc cca gat ttt tct 528
73 Phe Thr Cys Lys Phe Ala Arg Leu Gln Ser Ile Phe Pro Asp Phe Ser
74      165      170      175
76 aaa gct ggc atg gaa cga gct ttt ctc cca gtt acc tcc cca aat aag 576
77 Lys Ala Gly Met Glu Arg Ala Phe Leu Pro Val Thr Ser Pro Asn Lys
78      180      185      190
80 cat tta ggg cta gtg act cct cac aag aca gaa ctg gta tga 618
81 His Leu Gly Leu Val Thr Pro His Lys Thr Glu Leu Val
82      195      200      205
85 <210> SEQ ID NO: 2
86 <211> LENGTH: 205
87 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
90 <400> SEQUENCE: 2
91 Met Ser Arg Gly Leu Gln Leu Leu Leu Ser Cys Ala Tyr Ser Leu
92 1 5 10 15
94 Ala Pro Ala Thr Pro Glu Val Lys Val Ala Cys Ser Glu Asp Val Asp
95 20 25 30
97 Leu Pro Cys Thr Ala Pro Trp Asp Pro Gln Val Pro Tyr Thr Val Ser
98 35 40 45
100 Trp Val Lys Leu Leu Glu Gly Glu Glu Arg Met Glu Thr Pro Gln
101 50 55 60
103 Glu Asp His Leu Arg Gly Gln His Tyr His Gln Lys Gly Gln Asn Gly
104 65 70 75 80
106 Ser Phe Asp Ala Pro Asn Glu Arg Pro Tyr Ser Leu Lys Ile Arg Asn
107 85 90 95
109 Thr Thr Ser Cys Asn Ser Gly Thr Tyr Arg Cys Thr Leu Gln Asp Pro
110 100 105 110
112 Asp Gly Gln Arg Asn Leu Ser Gly Lys Val Ile Leu Arg Val Thr Gly
113 115 120 125
115 Cys Pro Ala Gln Arg Lys Glu Glu Thr Phe Lys Lys Tyr Arg Ala Glu
116 130 135 140
118 Ile Val Leu Leu Leu Ala Leu Val Ile Phe Tyr Leu Thr Leu Ile Ile
119 145 150 155 160
121 Phe Thr Cys Lys Phe Ala Arg Leu Gln Ser Ile Phe Pro Asp Phe Ser
122 165 170 175
124 Lys Ala Gly Met Glu Arg Ala Phe Leu Pro Val Thr Ser Pro Asn Lys
125 180 185 190
127 His Leu Gly Leu Val Thr Pro His Lys Thr Glu Leu Val
128 195 200 205
132 <210> SEQ ID NO: 3
133 <211> LENGTH: 2051
134 <212> TYPE: DNA
135 <213> ORGANISM: Mus musculus
137 <220> FEATURE:
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RAW SEQUENCE LISTING

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01232002\J025367.raw

138 <221> NAME/KEY: CDS
139 <222> LOCATION: (14)..(601)
141 <400> SEQUENCE: 3

142	gcgctccagc cgc atg tgc caa ggc ctc cag ctc ctg ttt cta ggc tgc	49
143	Met Ser Gln Gly Leu Gln Leu Leu Phe Leu Gly Cys	
144	1 5 10	
146	gcc tgc agc ctg gca ccc gcg atg gcg atg cgg gag gtg acg gtg gct	97
147	Ala Cys Ser Leu Ala Pro Ala Met Ala Met Arg Glu Val Thr Val Ala	
148	15 20 25	
150	tgc tcc gag acc gcc gac ttg cct tgc aca gcg ccc tgg gac ccg cag	145
151	Cys Ser Glu Thr Ala Asp Leu Pro Cys Thr Ala Pro Trp Asp Pro Gln	
152	30 35 40	
154	ctc tcc tat gca gtg tcc tgg gcc aag gtc tcc gag agt ggc act gag	193
155	Leu Ser Tyr Ala Val Ser Trp Ala Lys Val Ser Glu Ser Gly Thr Glu	
156	45 50 55 60	
158	agt gtg gag ctc ccg gag agc aag caa aac agc tcc ttc gag gcc ccc	241
159	Ser Val Glu Leu Pro Glu Ser Lys Gln Asn Ser Ser Phe Glu Ala Pro	
160	65 70 75	
162	agg aga agg gcc tat tcc ctg acg atc caa aac act acc atc tgc agc	289
163	Arg Arg Arg Ala Tyr Ser Leu Thr Ile Gln Asn Thr Thr Ile Cys Ser	
164	80 85 90	
166	tgc ggc acc tac agg tgt gcc ctg cag gag ctc gga ggg cag cgc aac	337
167	Ser Gly Thr Tyr Arg Cys Ala Leu Gln Glu Leu Gly Gly Gln Arg Asn	
168	95 100 105	
170	ttg agc ggc acc gtg gtt ctg aag gtg aca gga tgc ccc aag gaa gct	385
171	Leu Ser Gly Thr Val Val Leu Lys Val Thr Gly Cys Pro Lys Glu Ala	
172	110 115 120	
174	aca gag tca act ttc agg aag tac agg gca gaa gct gtg ttg ctc ttc	433
175	Thr Glu Ser Thr Phe Arg Lys Tyr Arg Ala Glu Ala Val Leu Leu Phe	
176	125 130 135 140	
179	tct ctg gtt gtt ttc tac ctg aca ctc atc att ttc acc tgc aaa ttt	481
180	Ser Leu Val Val Phe Tyr Leu Thr Leu Ile Ile Phe Thr Cys Lys Phe	
181	145 150 155	
183	gca cga cta caa agc att ttc cca gat att tct aaa cct ggt acg gaa	529
184	Ala Arg Leu Gln Ser Ile Phe Pro Asp Ile Ser Lys Pro Gly Thr Glu	
185	160 165 170	
187	caa gct ttt ctt cca gtc acc tcc cca agc aaa cat ttg ggg cca gtg	577
188	Gln Ala Phe Leu Pro Val Thr Ser Pro Ser Lys His Leu Gly Pro Val	
189	175 180 185	
191	acc ctt cct aag aca gaa acg gta tgagtaggat ctccactggt ttttacaaag	631
192	Thr Leu Pro Lys Thr Glu Thr Val	
193	190 195	
195	ccaagggcac atcagatcag tgtgcctgaa tgccaccgga acaagagaag aatgagctcc	691
197	atcctcagat ggcaaccttt ctttgaagtc cttcacctga cagtgggctc cacactactc	751
199	cctgacacag ggtcttgagc accatcatat gatcacgaag catggagtat caccgcttct	811
201	ctgtggctgt cagcttaatg tttcatgttg ctatctggtc aacctcgtga gtgcttttca	871
203	gtcatctaca agctatgggt agatgcagggt gaagcagggt catgggaaat ttgaacactc	931
205	tgagctggcc ctgtgacaga ctcctgagga cagctgtcct ctctacatc tgggatacat	991
207	ctctttgaat ttgtcctgtt tcgttgacacc agcccagatg tctcacatct ggcggaaatt	1051

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01232002\J025367.raw

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209  gacaggccaa gctgtgagcc agtgggaaat atttagcaaa taatttccca gtgcgaaggt 1111
211  cctgctatta gtaaggagta ttatgtgtac atagaaatga gaggtcagtg aactattccc 1171
213  cagcagggcc ttttcatctg gaaaagacat ccacaaaagc agcaatacag agggatgcca 1231
215  catttatttt ttttaatttc atgtacttgt caaagaagaa tttttcatgt tttttcaaag 1291
217  aagtgtgttt ctttcccttt ttaaaatatg aagggtctagt tacatagcat tgctagctga 1351
219  caagcagcct gagagaagat ggagaatgtt cctcaaaata gggacagcaa gctagaagca 1411
221  ctgtacagtg ccctgctggg aagggcagac aatggactga gaaaccagaa gtctggccac 1471
223  aagattgtct gtatgattct ggacgagtca cttgtggttt tcaactctctg gttagtaaac 1531
225  cagatagttt agtctgggtt gaatacaatg gatgtgaagt tgcttgggga aagctgaatg 1591
227  tagtgaatac attggcaact ctactgggct gttaccttgt tgatatccta gagttctgga 1651
229  gctgagcgaa tgctgtcat atctcagctt gcccatcaat ccaaacacag gagggtacaa 1711
231  aaaggacatg agcatggtct tctgtgtgaa ctctctctga gaaacgtgga gactggctca 1771
233  gcgctttgcg cttgaaggac taatcacaag ttottgaaga tatggacctt ggggagctat 1831
235  tgcgccacga caggaggaag ttctcagatg ttgcattgat gtaacattgt tgcatttctt 1891
237  taatgagctg ggctccttcc tcatttgctt cccaaagaga ttttgtccca ctaatggtgt 1951
239  gcccatcacc cacactatga aagtaaaagg gatgctgagc agatacagcg tgcttacctc 2011
241  tcagccatga ctttcatgct attaaaagaa tgcattgtgaa 2051

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244 <210> SEQ ID NO: 4

245 <211> LENGTH: 196

246 <212> TYPE: PRT

247 <213> ORGANISM: Mus musculus

249 <400> SEQUENCE: 4

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250  Met Ser Gln Gly Leu Gln Leu Leu Phe Leu Gly Cys Ala Cys Ser Leu
251      1          5          10          15
253  Ala Pro Ala Met Ala Met Arg Glu Val Thr Val Ala Cys Ser Glu Thr
254      20          25          30
256  Ala Asp Leu Pro Cys Thr Ala Pro Trp Asp Pro Gln Leu Ser Tyr Ala
257      35          40          45
259  Val Ser Trp Ala Lys Val Ser Glu Ser Gly Thr Glu Ser Val Glu Leu
260      50          55          60
262  Pro Glu Ser Lys Gln Asn Ser Ser Phe Glu Ala Pro Arg Arg Arg Ala
263      65          70          75          80
265  Tyr Ser Leu Thr Ile Gln Asn Thr Thr Ile Cys Ser Ser Gly Thr Tyr
266      85          90          95
268  Arg Cys Ala Leu Gln Glu Leu Gly Gly Gln Arg Asn Leu Ser Gly Thr
269      100         105         110
271  Val Val Leu Lys Val Thr Gly Cys Pro Lys Glu Ala Thr Glu Ser Thr
272      115         120         125
274  Phe Arg Lys Tyr Arg Ala Glu Ala Val Leu Leu Phe Ser Leu Val Val
275      130         135         140
277  Phe Tyr Leu Thr Leu Ile Ile Phe Thr Cys Lys Phe Ala Arg Leu Gln
278      145         150         155         160
280  Ser Ile Phe Pro Asp Ile Ser Lys Pro Gly Thr Glu Gln Ala Phe Leu
281      165         170         175
283  Pro Val Thr Ser Pro Ser Lys His Leu Gly Pro Val Thr Leu Pro Lys
284      180         185         190
286  Thr Glu Thr Val
287      195
291 <210> SEQ ID NO: 5

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RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/10/025,367

TIME: 18:50:04

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01232002\J025367.raw

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292 <211> LENGTH: 981
293 <212> TYPE: DNA
294 <213> ORGANISM: Homo sapiens
296 <220> FEATURE:
297 <221> NAME/KEY: CDS
298 <222> LOCATION: (1)..(978)
300 <400> SEQUENCE: 5
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302   Met Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp
303       1           5           10           15
305   atc ggg aga acg aat ttg atc gtc aac tac ctc cct cag aac atg acc   96
306   Ile Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr
307               20           25           30
309   cag gat gag tta cga agc ctg ttc agc agc att ggt gaa gtt gaa tct   144
310   Gln Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser
311               35           40           45
313   gca aaa ctt att cgg gat aaa gta gca gga cac agc ttg ggc tac ggc   192
314   Ala Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly
315               50           55           60
317   ttt gtg aac tac gtg acc gcg aag gat gca gag aga gcg atc aac acg   240
318   Phe Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr
319               65           70           75           80
321   ctg aac ggc ttg agg ctc cag tca aaa acc att aag gtg tcg tat gct   288
322   Leu Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala
323               85           90           95
325   cgc ccg agc tca gag gtg atc aaa gac gcc aac ttg tac atc agc ggg   336
326   Arg Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly
327               100          105          110
329   ctc ccg cgg acc atg acc cag aag gac gta gaa gac atg ttc tct cgg   384
330   Leu Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg
331               115          120          125
333   ttt ggg cgg atc atc aac tcg cgg gtc ctc gtg gat cag act aca ggt   432
334   Phe Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly
335               130          135          140
337   ttg tcc aga ggg gtt gcg ttt atc cgg ttt gac aaa cgg tcg gag gca   480
338   Leu Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala
339               145          150          155          160
341   gaa gag gca att acc agt ttc aat ggt cat aaa ccc cca ggt tcc tct   528
342   Glu Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser
343               165          170          175
345   gag ccc atc gca gtg aag ttt gca gcc aac ccc aac cag aac aaa aac   576
346   Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn
347               180          185          190
349   gtg gca ctc ctc tcg cag ctg tac cac tcg cca gcg cga cgg ttc gga   624
350   Val Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg Phe Gly
351               195          200          205
353   ggc ccc gtt cac cac cag gcg cag aga ttc agg ttc tcc ccc atg ggc   672
354   Gly Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly
355               210          215          220

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/025,367

DATE: 01/23/2002

TIME: 18:50:05

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01232002\J025367.raw

L:15 M:270 C: Current Application Number differs, Replaced Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date